

Abstract of the Disclosure

A fire detector 1 operating by the scattered radiation principle is described, having at least one radiation transmitter 5.1, 5.2, 5.3 and at least one radiation receiver 6.1, 6.2, 6.3, whose beam paths form a scattering volume 7.1, 7.2, 7.3. The fire detector 1 includes, in addition to at least one first radiation transmitter 5.1 and one first radiation receiver 6.1; at least one second radiation transmitter 5.2 and one second radiation receiver 6.2, whose beam paths form at least two spatially separated scattering volumes 7.1, 7.2.

(Figure 2)